

What is claimed is:

1. A riding lawn mower, comprising:

a frame;

5 ground engaging wheels rotatably mounted with said frame;

at least one cutting deck mounted to the frame;

an engine mounted to the frame and operatively connected to drive said ground  
engaging wheels and said at least one cutting deck, said engine has fluid to be cooled;

a radiator system including:

10 a housing;

a radiator having first and second opposing sides, mounted in the housing  
and operatively connected with said engine to intake fluid at a first temperature from  
said engine and to output fluid back to said engine at a second temperature,

a screen mounted in the housing and adjacent the first side of the radiator;

15 a bi-directional fan mounted with the housing adjacent the second side of the  
radiator and operable to direct an air flow in a standard direction first through the  
screen and then through the radiator and operable as desired to direct an airflow in a  
discharge direction, opposite the standard direction, first through the radiator and  
then through the screen; and,

20 switch means for switching the fan between the standard and discharge  
directions as a function of radiator coolant temperature.